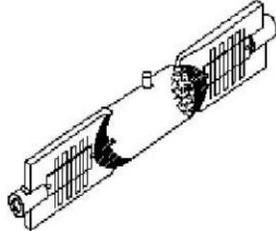
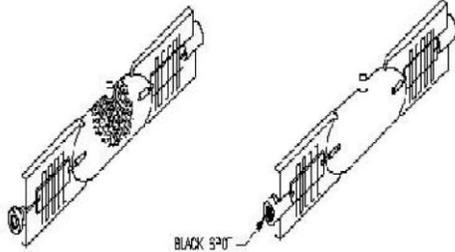
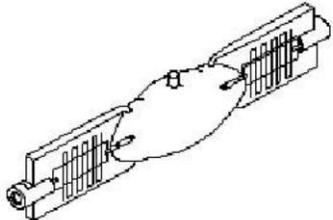


# Bulb Maintenance and Troubleshooting

**System maintenance is critical to long bulb life. Shown below are some bulb failure modes and their solutions.**

<p><b>Over cooled</b></p> <p><b>Cause:</b> Over cooling is generally caused by too much airflow past a bulb, which results in rapid degradation of the bulb, due to deposition of plaque on the quartz.</p> <p><b>Solution:</b> Order the Dymax Temperature Control Kit.</p>	
<p><b>Arcing indicated by a gold, brown or black spot on the ceramic ends of the bulb</b></p> <p><b>Cause:</b> Improper seating of bulb in a lamp base causes electricity arcs from the lamp base to the bulb through a gap, which results in burning and heat.</p> <p><b>Solution:</b> Lamp bases must be replaced through repair department. Shake, rattle and roll bulb to ensure proper seating of electrodes of bulb to lamp base for future bulb changes.</p>	
<p><b>Over heated bulb indicated by swelling of the glass envelope</b></p> <p><b>Cause:</b> Lack of air flow or improper closures can peel paint, char the ignitor and lower intensity.</p> <p><b>Solution:</b> Increase system ventilation, but avoid overcooling.</p>	

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